



FLIGHT REPORT

NORTH DAKOTA ATMOSPHERIC RESOURCE BOARD
SFN 50864(12/2014)

ENGINES OFF 22:13:26	HOURS 3.21		PAGE # 1	OF 3
ENGINES ON 19:01:00	DRY ICE RATE 0	1 GEN 1.97	2 GEN 0.67	
TOTAL TIME 03:12:26	DRY ICE (lbs) 0.00	EJCTBL (grams) 0	BIP (grams) 300	

DATE June 29, 2017		DISTRICT 1	SEED # 2	PILOT Dakotah Osborn				COPILOT Steffany Royal				PURPOSE H	REMARKS R - Rain H - Hail O - Other M - Maintenance C - Reconnaissance
Time (HH:MM)	EVENT #	LATITUDE (deg)	LONGITUDE (deg)	CLD BASE (kft)	ALTITUDE (KFT)	UPDRAFT (FT/MIN)	TEMP (°C)	PRECIP CODE**	DRY ICE (sec)	FLARES		WINTIP GEN (#)	
										EJC	BIP		
19:01:13		46.17057	-103.3043		2.9					0	0	0	Engines on in Bowman.
19:11:14		46.21622	-103.3418		6.3					0	0	0	
19:21:15		46.28557	-103.6914		7.0					0	0	0	
19:25:34	1	46.27898	-103.4862	9	7.3	500	5	3		0	0	1	Right burner on.
19:33:04		46.23646	-103.6233	9	7.2	600	5	4		0	0	1	
19:43:05		46.23409	-103.5579		7.2					0	0	1	
19:53:07		46.42527	-103.3088		7.2					0	0	1	
20:03:12		46.44710	-103.2355		7.1					0	0	1	
20:13:13		46.40772	-103.2862		7.4					0	0	1	
20:16:44		46.41446	-103.4141	9	7.2	400	5	3		0	0	1	
20:26:46		46.39470	-103.1927		7.2					0	0	1	
20:36:47		46.28667	-103.3194		7.2					0	0	1	
20:46:49		46.27052	-103.7339		7.2					0	0	1	

**PRECIPITATION INTENSITY

- 0 - No Precipitation
- 1 - virga only, precip not to ground
- 2 - rain shaft to surface, light
- 3 - rain shaft well established, but can be seen through
- 4 - heavy rain shaft, cannot be seen through

MISSION SUMMARY

Launched to cells developing on the north western border of District 1. Once there, favorable inflow was found and we began seeding. Cells continued to develop sporadically across the district; we seeded them for hail and rain enhancement as needed. RTB Bowman.
Burner issue was encountered during the first portion of the flight, but the second half it began working again. RTB Bowman.



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20:56:51		46.19315	-103.7316		7.2					0	0	1	
20:59:41	2	46.27269	-103.7333	9.5	7.2	500	5	3		0	0	2	Left burner on.
21:07:09		46.14298	-103.6636	9.5	7.2	400	5	4		0	0	2	
21:10:37	3	46.24027	-103.6730	9.5	7.1	200	5	3		0	0	1	Left burner off.
21:20:42		46.15661	-103.6133		7.3					0	0	1	
21:21:49		46.18885	-103.6245	9.5	7.2		5	4		0	0	1	
21:24:18	4	46.24172	-103.6196	9.5	7.3	400	5	4		0	0	2	Left burner on.
21:34:07	5	46.36317	-103.5739	5	7.8	700	5	4		0	1	2	BIP lit.
21:41:59		46.30925	-103.5436	9.5	7.8	500	5	4		0	0	2	
21:43:50	6	46.36501	-103.5109	9.5	7.9	800	5	4		0	1	2	BIP lit.
21:49:24	7	46.36090	-103.4812	9.5	7.8	800	4	4		0	1	2	BIP lit.
21:53:26	8	46.21941	-103.4759	9.5	7.6	800	4	4		0	0	1	Right burner off.
21:58:49	9	46.29682	-103.4236	9	7.8	700	5	4		0	1	1	BIP lit.

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